## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property **Organization**

International Bureau



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(43) International Publication Date 17 June 2004 (17.06.2004)

PCT

(10) International Publication Number WO 2004/049823 A1

- (51) International Patent Classification7: A23L 1/0534, C08B 11/12, A23L 1/212, 2/02
- (21) International Application Number: PCT/EP2003/013682
- (22) International Filing Date: 1 December 2003 (01.12.2003)
- (25) Filing Language:

**English** 

(26) Publication Language:

English

- (30) Priority Data: 4 December 2002 (04.12.2002) 02080138.7
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES. FI. FR. GB. GR. HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: <u>USE OF CARBOXYMETHYL CELLULOSE (CMC) IN FRUIT-BASED PRODUCTS</u>

(57) Abstract: The invention relates to the use of a carboxymethyl cellulose (CMC) for preparing fruit-based products, such as jams including low calory jam, fruit preserves, pie fillings, fruity sauces, fruity fillings in cookies, fruit-based toppings, or beverages, wherein the CMC is characterized by forming a gel at 25°C after high-shear dissolution in a 0.3 w% aqueous sodium chloride solution, the final content of the CMC in the aqueous sodium chloride solution being 1 wt% for a CMC having a degree of polymerization (DP) of >4,000, 1.5 wt% for a CMC having a DP of >3,000-4,000, 2 wt% for a CMC having a DP of 1,500-3,000, and 4 wt% for a CMC having a DP of >1,500, the gel being a fluid having a storage modulus (G') which exceeds the loss modulus (G'') over the entire frequency region of 0.01-10 Hz when measured on an oscillatory rheometer operating at a strain of 0.2. The CMC may also be used in combination with hydrocolloids such as carrageenan, starch, alginates, xanthan, konjac, or food protein.

